

DYNAMICALLY BUILDING ENCAPSULATION AND DECAPSULATION
CHAINS AT RUN TIME

ABSTRACT OF THE DISCLOSURE

- 5 A method for dynamically building a packet processing chain includes providing
a plurality of packet processing elements. For each element of a first subset of elements
operations indications are provided. For each element of a second subset of elements,
expectations indications are provided. Finally, the chain is built by combining elements
to form the chain according to a configuration requirement. Elements are selected such
10 that an element's indicated expectations are satisfied by the time it executes, as
indicated by the operations indications of the previous chain element.